

Amendments to the Claims:

The following listing of the claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-3 (canceled)

4 (new): A poppet valve system comprising:

- a poppet valve movable between an open position and a closed position;
- a cam comprising a cam shaft and surrounding region formed as a single unitary piece and including an asymmetrical cam groove having a lift portion and a descent portion;
- a cam follower comprising a pin, the pin being positioned in the asymmetrical cam groove; and
- a rocker arm assembly engaging the cam follower and the valve.

5 (new): The system of claim 4, wherein at least a portion of the cam groove is ellipsoid in shape.

6 (new): The system of claim 4, wherein the asymmetrical groove is formed in the front face of the cam.